

WHAT IS CLAIMED IS:

1. An information recording apparatus comprising:
generation means for generating manager
information representing a correspondence between a
5 compressed content and a program for expanding the
content; and

recording means for recording the content,
program, and manager information on an information
recording medium.

10 2. An apparatus according to claim 1, wherein
the information recording medium comprises
a content recording area for recording the
content,

a program recording area for recording a plurality
15 of programs corresponding to a plurality of compression
schemes together, and

a manager information recording area for recording
the manager information, and

said recording means records the content in the
20 content recording area, the program in the program
recording area, and the manager information in the
manager information recording area.

3. An apparatus according to claim 2, wherein
the manager information recording area includes a
25 content relational information recording area for
recording information related to the program based on
the content,

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5 information representing a recording start
position of the program for expanding the content, and
 information representing a size of the program for
expanding the content, and

4. An apparatus according to claim 2, wherein
the manager information recording area includes a
content relational information recording area for
15 recording information related to a recording scheme of
the content,

information representing a recording start
position of the program for expanding the content, and
information representing a size of the program for
expanding the content, and

said recording means records the manager
information in the content relational information

recording area included in the manager information recording area.

5 5. An apparatus according to claim 2, wherein the manager information recording area includes a content relational information recording area for recording general information of the content,

10 the manager information contains information representing a compression scheme of the content and presence/absence of a program corresponding to the compression scheme,

information representing a recording start position of the program for expanding the content, and information representing a size of the program for expanding the content, and

15 said recording means records the manager information in the content relational information recording area included in the manager information recording area.

20 6. An apparatus according to claim 1, wherein the information recording medium comprises a content recording area for recording the content,

25 a plurality of program recording areas for separately recording a plurality of programs corresponding to a plurality of compression schemes, and

a manager information recording area for recording

the manager information, and

said recording means records the content in the content recording area, the program in a predetermined program area of the plurality of program recording areas, and the manager information in the manager information recording area.

7. An apparatus according to claim 6, wherein the manager information recording area includes a content relational information recording area for recording information related to the program based on the content,

the manager information contains information representing a compression scheme of the content and presence/absence of a program corresponding to the compression scheme, and

said recording means records the manager information in the content relational information recording area included in the manager information recording area.

8. An apparatus according to claim 6, wherein the manager information recording area includes a content relational information recording area for recording information related to a recording scheme of the content,

the manager information contains information representing a compression scheme of the content and presence/absence of a program corresponding to the

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compression scheme, and

said recording means records the manager
information in the content relational information
recording area included in the manager information
recording area.

9. An apparatus according to claim 6, wherein
the manager information recording area includes a
content relational information recording area for
recording general information of the content,

the manager information contains information
representing a compression scheme of the content and
presence/absence of a program corresponding to the
compression scheme, and

said recording means records the manager
information in the content relational information
recording area included in the manager information
recording area.

10. An information recording method comprising:
the first step of generating manager information
representing a correspondence between a compressed
content and a program for expanding the content; and
the second step of recording the content, program,
and manager information on an information recording
medium.

11. An information reproduction apparatus
comprising:

read means for reading out, from an information

recording medium, manager information representing a
correspondence between a compressed content and a
program for expanding the content and reading out the
content and program on the basis of the manager
5 information; and

reproduction means for expanding and reproducing
the content on the basis of the program read by said
read means.

12. An apparatus according to claim 11, wherein
10 the information recording medium comprises
a content recording area in which the content is
recorded,

a program recording area in which a plurality of
programs corresponding to a plurality of compression
15 schemes are recorded together, and

a manager information recording area in which the
manager information is recorded,

said read means reads out the manager information
from the manager information recording area and reads
20 out the content from the content recording area and the
program from the program recording area on the basis of
the manager information, and

said reproduction means expands and reproduces the
content on the basis of the program read out by said
25 read means.

13. An apparatus according to claim 12, wherein
the manager information recording area includes

a content relational information recording area for recording information related to the program based on the content,

5 the manager information is recorded in the content relational information recording area,

the manager information contains information representing a compression scheme of the content and presence/absence of a program corresponding to the compression scheme,

10 information representing a recording start position of the program for expanding the content, and information representing a size of the program for expanding the content, and

15 said read means reads out the manager information from the content relational information recording area.

14. An apparatus according to claim 12, wherein the manager information recording area includes a content relational information recording area for recording information related to a recording scheme of the content,

20 the manager information is recorded in the content relational information recording area,

the manager information contains information representing a compression scheme of the content and presence/absence of a program corresponding to the compression scheme,

25 information representing a recording start

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position of the program for expanding the content, and
information representing a size of the program for
expanding the content, and

5 said read means reads out the manager information
from the content relational information recording area.

15. An apparatus according to claim 12, wherein
the manager information recording area includes
a content relational information recording area for
recording general information of the content,

10 the manager information is recorded in the content
relational information recording area,

the manager information contains

15 information representing a compression scheme of
the content and presence/absence of a program
corresponding to the compression scheme,

information representing a recording start
position of the program for expanding the content, and

information representing a size of the program for
expanding the content, and

20 said read means reads out the manager information
from the content relational information recording area.

16. An apparatus according to claim 11, wherein

the information recording medium comprises

25 a content recording area in which the content is
recorded,

a plurality of program recording areas in which
a plurality of programs corresponding to a plurality of

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compression schemes are separately recorded, and

a manager information recording area in which the manager information is recorded,

5 said read means reads out the manager information from the manager information recording area and reads out the content from the content recording area and the program from a predetermined program recording area of the plurality of program recording areas on the basis of the manager information, and

10 said reproduction means expands and reproduces the content on the basis of the program read out by said read means.

15 17. An apparatus according to claim 16, wherein the manager information recording area includes a content relational information recording area for recording information related to the program based on the content,

the manager information is recorded in the content relational information recording area,

20 the manager information contains information representing a compression scheme of the content and presence/absence of a program corresponding to the compression scheme, and

25 said read means reads out the manager information from the content relational information recording area.

18. An apparatus according to claim 16, wherein the manager information recording area includes

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a content relational information recording area for recording information related to a recording scheme of the content,

5 the manager information is recorded in the content relational information recording area,

the manager information contains information representing a compression scheme of the content and presence/absence of a program corresponding to the compression scheme, and

10 said read means reads out the manager information from the content relational information recording area.

19. An apparatus according to claim 16, wherein

15 the manager information recording area includes a content relational information recording area for recording information related to the content,

the manager information is recorded in the content relational information recording area,

20 the manager information contains information representing a compression scheme of the content and presence/absence of a program corresponding to the compression scheme, and

said read means reads out the manager information from the content relational information recording area.

20. An information reproduction method comprising:

25 the first step of reading out, from an information recording medium, manager information representing a correspondence between a compressed content and

a program for expanding the content;

the second step of reading out the content and program on the basis of the manager information; and

the third step of expanding and reproducing the content on the basis of the readout program.

21. An information recording medium comprising:

a content recording area in which a compressed content is recorded;

a program recording area in which a plurality of programs corresponding to a plurality of compression schemes are recorded together, each of the programs expanding the compressed content; and

a manager information recording area in which the manager information representing a correspondence between the compressed content and the program for expanding the content is recorded.

22. An electronic distribution system wherein a compressed content and a program for expanding the content are simultaneously distributed.

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